

From the INTERNATIONAL SEARCHING AUTHORITY

PARK Young-Woo 5F, Seil Building, #727-13, Yoksam-dong, Gangnam-gu, 135-921 Seoul Republic of Korea

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

Date of mailing (day/month/year)

24 March 2004 (24.03.2004)

Applicant's or agent's file reference IMPORTANT NOTIFICATION LW8074PC International application No. International filing date (day/month/year) PCT/ KR 2003/002087 10 October 2003 (10.10.2003)

Applicant

SAMSUNG ELECTRONICS CO., LTD.

1.
The applicant is hereby notified that the international search report has been established and is transmitted herewith.

Filing of amendments and statements under Article19:

The applicant is entitled, if he so wishes, to amend the claims of the international application (see Rule 46):

When? The time limit for filing such amendements is normally two months from the dat of transmittal of the international

Where?

Directly to the International Bureau of WIPO, 34 chemin des Colombettes 1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

- The applicant is hereby notified that no international search will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.
- 3. With regard to the protest against payment of (an) initial fee(s) under Rule 40.2, the applicant is notified that:
 - the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the text of both the protest decision thereon to the designated Offices
 - no decision has been made yet on the protest; the applicant will be not fied as soon as a decision is made.
- 4. Reminder:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later); otherwise, the applicant must, within 30 months from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the PCT Applicant's Guide Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the ISA/AT Authorized officer Austrian Patent Office Dresdner Straße 87 Wolf A-1200 Vienna/Austria FAX No. +43 / 1 / 53424-200 Telephone No. +43 / 1 / 53424 - 450

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article," "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Preliminary Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.





PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or	agent's file reference					
LW8074PC		FOR FURTHER see Notification of Transmittal of International Search Report ACTION (Form PCT/ISA/220) as well as, where applicable, item 5 below.				
International application No.		International filing da	ite (day/month/year)	(Earliest) Priority Date (day/month/year)		
PCT/KR 03/02087		10 October 2003 (10.10.2003)		18 November 2002 (18.11.2002		
Applicant		<u> </u>				
SAMSUN	G ELECTRONICS	CO., LTD.				
This internati according to	onal search report has bee Article 18. A copy is bein	n prepared by this Ir g transmitted to the l	nternational Searching A	Authority and is transmitted to the applicant		
This internation	onal search report consist	s of a total of5	sheets.			
	It is also accompani	ed by a copy of each	prior art document cite	d in this report.		
a. Wit	the report h regard to the language, guage in which it was file	the international sea d, unless otherwise i	rch was carried out on t ndicated under this item	he basis of the international application in the 1.		
	the international search v Authority (Rule 23.1(b))	vas carried out on th	e basis of a translation o	of the international application furnished to this		
b. Witi sear	h regard to any nucleotid ch was carried out on the	e and/or amino acid basis of the sequenc	I sequence disclosed in e listing:	the international application, the international		
	contained in the internati					
	filed together with the in	ternational application	on in computer readable	form.		
	furnished subsequently to					
	furnished subsequently to	this Authority in co	mputer readable form.			
inter	the statement that the subnational application as file	sequently furnisheded has been furnished	written sequence listing i.	g does not go beyond the disclosure in the		
 been	the statement that the info	ormation recorded in	computer readable forr	n is identical to the written sequence listing has		
:.	Certain claims were fou	nd unsearchable (S	ee Box I).			
	Unity of invention is lac	king (See Box II).				
. With rega	ard to the title,					
\boxtimes	the text is approved as su	bmitted by the applic	cant.			
	the text has been establish	ned by this Authority	to read as follows:			
. With rega	rd to the abstract,					
	the text is approved as sul	omitted by the applic	ant.			
	the text has been establish within one month from th	ed, according to Rule date of mailing of	e 38.2(b), by this Autho	ority as it appears in Box III. The applicant may, a report, submit comments to this Authority.		
. The figure	e of the drawings to be pu	ıblished with the abs	tract is Figure No.:1	<u></u>		
	as suggested by the applic			None of the figures.		
	because the applicant faile	ed to suggest a figure	: .			
	because this figure better	characterizes the inv	ention.			

Form PCT/ISA/210 (first sheet) (July 1998)

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INTERNATIONAL SEARCH REPORT



International application No. PCT/KR 03/02087-0

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

In an optical sheet (400) for a display apparatus, capable of improving luminance of a display image and a display quality, a method of manufacturing the same and a display apparatus having the same, the optical sheet (400) including a first medium (410) and a second medium (420) is disposed on a light pathway (430). The first medium (410) has a first reflective index. The second medium (420) has a second reflective index that is lower than the first reflective index. The optical sheet (400) is disposed between the display unit (200) and a backlight unit (100) or disposed on the display unit. The optical sheet (400) transmits a light without diffusion or loss of luminance. The light is generated from the backlight unit (100). The optical sheet (400) disposed on the display unit (200) scatters eternal light so as to display the image in high quality.

International application No. PCT/KR 03/02087-0

CLASSIFICATION OF SUBJECT MATTER

IPC7: G02F 1/1335, 1/13357, G02B 6/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: G02B, G02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	(28.09.1999) fig. 1,7-9,12-18; column 11, line 54 - column 13, line 63; column	1-3,5-8,10- 15,17- 19,22,24,25
Y A	15, lines 7-42; column 17, line 66 - column 20, line20.	4,9,16 23
X	US 5321789 A (KIDA et al.) 14 June 1994 (14.06.1994) fig. 1-3,5-7,14; column 6, lines 18-63; column 8, line 6 - column 9, line 32; column 11, line 54 - column 12, line 19.	1-8,11,12,19- 24
Α		9,13-17
X Y	EP/0523987 A1 (SHARP) 20 January 1993 (20.01.1993) fig. 2, page 4, lines 17-28.	1-3,6-12,19- 22,24 9

Further documents are listed in the continuation of Box C.	See patent family annex.
Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
11 February 2004 (11.02.2004)	24 March 2004 (24.03.2004)
Name and mailing adress of the ISA/AT Austrian Patent Office Dresdner Straße 87, A-1200 Vienna	Authorized officer GRONAU E.
Facsimile No. 1/53424/535	Telephone No. 1/53424/320

Form PCT/ISA/210 (second sheet) (July 1998)

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International application No.

PCT/KR 03/02087-0

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT						
Category*	tegory* Citation of document, with indication, where appropriate, of the relevant passages					
(Y)	WO 02/06865 A2 (WIMMER R.A.) 24 January 2002 (24.01.02) page 9, line 8 - page 12, line 8; page 14, lines 1-21; fig. 1-9G,10,11,18-24.	4,16 1-3,8,10-18				
Α						
						
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	·					
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	GA/210 (continuation of second sheet) (July 1998)					



tional application No.
PCT/KR 03/02087-0

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
EP	A 523987	DE		Т	69215991T	1997-05-22	
				US	A	5329388	1994-07-12
				EP	A	0523987	1993-01-20
				DE	D	69215991D	1997-01-30
				JP	A	5019285	1993-01-2
US	A	5321789	1994-06-14	JP	A	4127136	1992-04-2
				JP	A	4313737	1992-11-0
US	A	5959711	1999-09-28	EP	A	0747738	1996-12-1
				JР	Α	9005745	1997-01-10